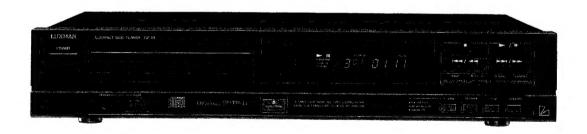


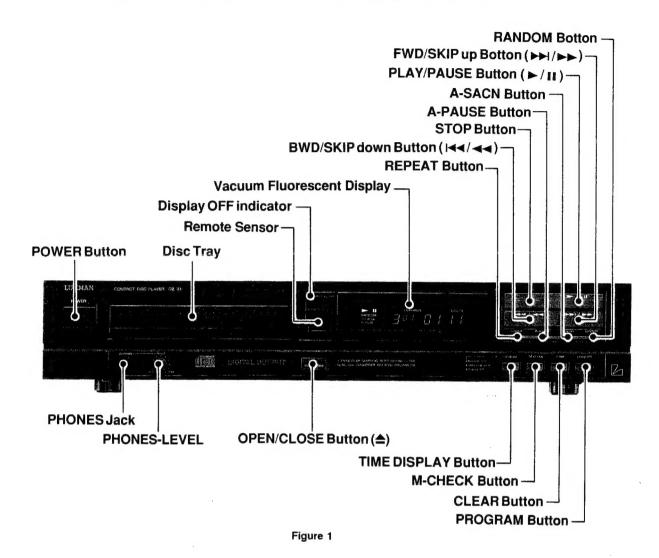
Compact Disk Player

**DZ-111** 



#### Contents ——— Exploded View (Deck) 25 Semi-Conductor Lead Identifications 28 to 36 - Specifications — Systems ..... Optical (Compact Disc System) Pick up Semiconductor Laser Pick-up AC120V, 60HZ (UZ, UQ Model Only) 27 Diodes, 1 Zener Diode Weight ...... 5.5 kg

### **Parts Locations and Dissassembly Instructions**



DIGITAL OUTPUT-Coaxial

OUTPUT Jacks

AC POWER CORD

Figure 2

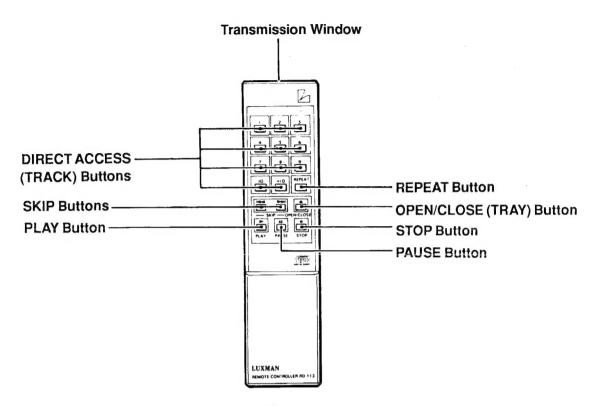


Figure 3

### <Disassembly>

#### 1. Removal of Top Cover

- (1) Remove seven screws marked "■" as shown in Figure 4 and 5.
- (2) Pull out the top cover in the direction of the arrow as shown in Figure 4.

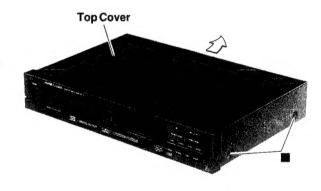


Figure 4

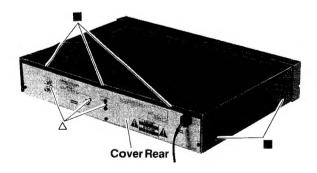


Figure 5

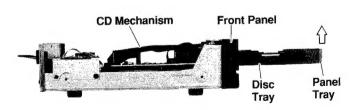


Figure 6

#### 2. Removal of CD Mechanism

- After removal of the top cover, open the disc tray as shown in Figure 6.
- (2) Remove the panel tray in the arrow direction as shown in Figure 6.
- (3) Remove four screws marked "O" as shown in Figure 7.
- (4) Disconnect all connectors from the CD Mechanism.

# 3. Removal of Front Panel and Logic/Phone P.C.Board

- (1) After removal of CD Mechanism, remove four screws marked "☆" as shown in Figure 7 and 8.
- (2) Remove six screws marked "▲" as shown in Figure 9.
- (3) Remove six hooks as shown in Figure 9.
- (4) Remove two screws marked "●" as shown Figure 9, and the Front Panel will be removed.
- (5) Remove solder (b) as shown in Figure 9, and the Logic P.C.Board will be removed.
- (6) Disconnect a connector from the Phone P.C.B. and the Phone P.C.Board will be removed.

#### 4. Removal of Power SW P.C. Board

 After removal of the top cover, remove four screws marked "X" and solder (a) as shown in Figure 7.

#### 5. Removal of Main P.C.Board

- After removal of the top cover, remove three screws marked "Δ" as shown in Figure 5.
- (2) Remove four P.C.B. supports (\*1) from Main P. C.Board as shown in Figure 7, by pushing the point "A" as shown in Figure10.
- (3) Disconnect all connectors from Main P.C.Board.

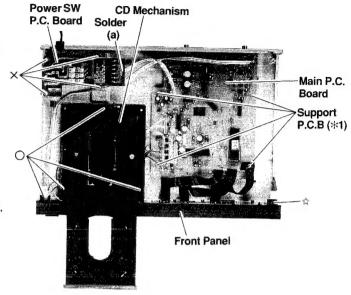


Figure 7

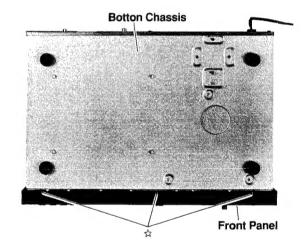


Figure 8

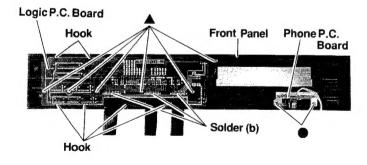


Figure 9

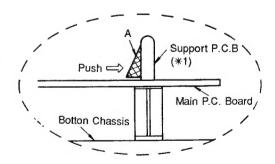
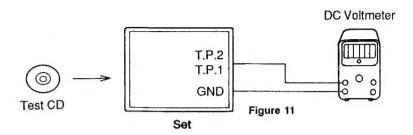
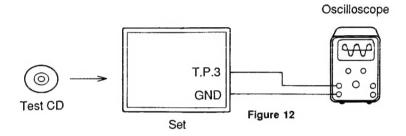


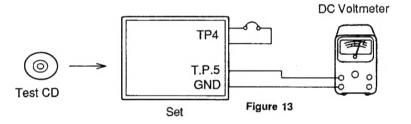
Figure 10

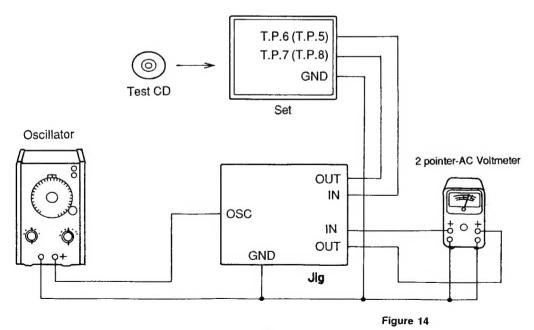
# **Adjustment Procedures**

#### 1. Connections









**- 6 -**

2. Switch setting

POWER Switch ..... ON PLAY Switch ..... ON Other Switches ..... OFF

#### 3. Adjustment Procedures

Step	Discription	Connection	Oscilltor Input	Test Point	Adjustment
1	VCO Adjustment	Figure 11		TP1 TP2	Measure the voltage of TP1. Then set VR1303 so that the output voltage of TP2 becomes 1/2 voltage of that of TP1.
2	Focus Bias Adjustment	Figure 12		TP3	Set VR1202 so that the output waveform of TP3 becomes the maximum of the waveform shwon in Figure 15.
3	Tracking Error Blance Adjustment	Figure 13		TP4 TP5	Short-circuit TP4, and turn VR1302 completely counterclockwise. Then set VR1201 so that the output voltage of TP5 becomes 0+50/-0mV. After that, return VR1302 to near the center.
4	Tracking Gain Adjustment	Figure 14	1kHz 100mv	TP6 TP7	Set VR1301 so that the pointers of the 2 pointer-AC voltmeter overlap.
5	Focus Gain Adjustment	Figure 14	1kHz 100mv	TP5 TP8	Set VR1302 so that the pointers of the 2 pointer-AC voltmeter overlap.

#### \* Test CD

SONY CD Type4 YEDS18 (2nd track) -- Tracking Error Balance Adjustment SONY CD Type4 YEDS18 (2nd track) -- Adjustment other than Tracking Error Balance Adjustment

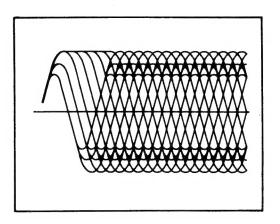


Figure 15

# **Adjustment Locations**

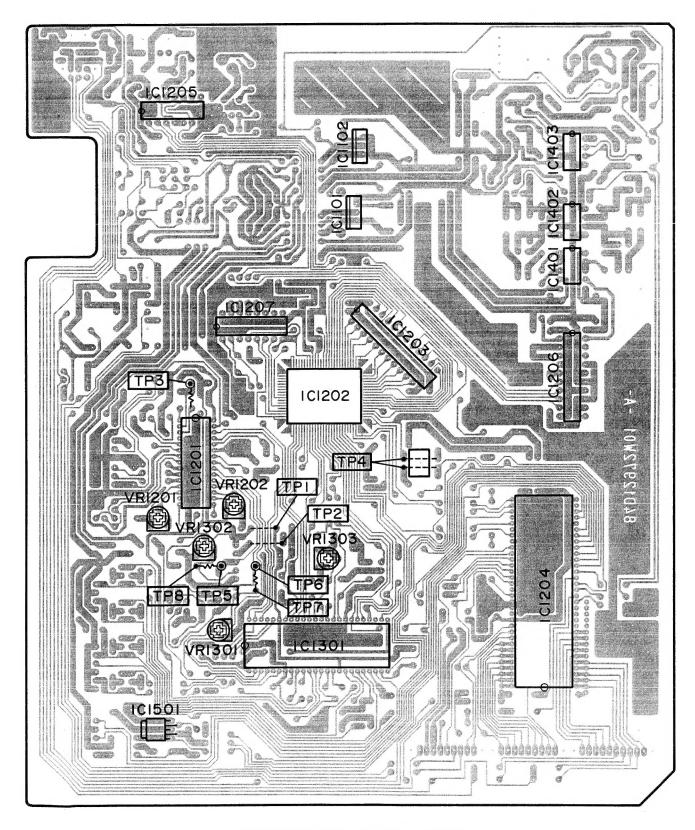
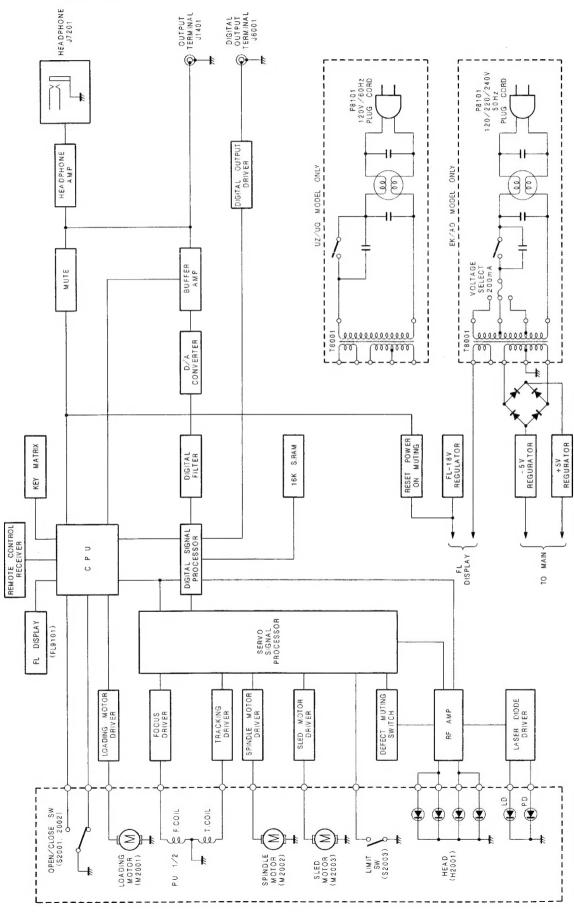
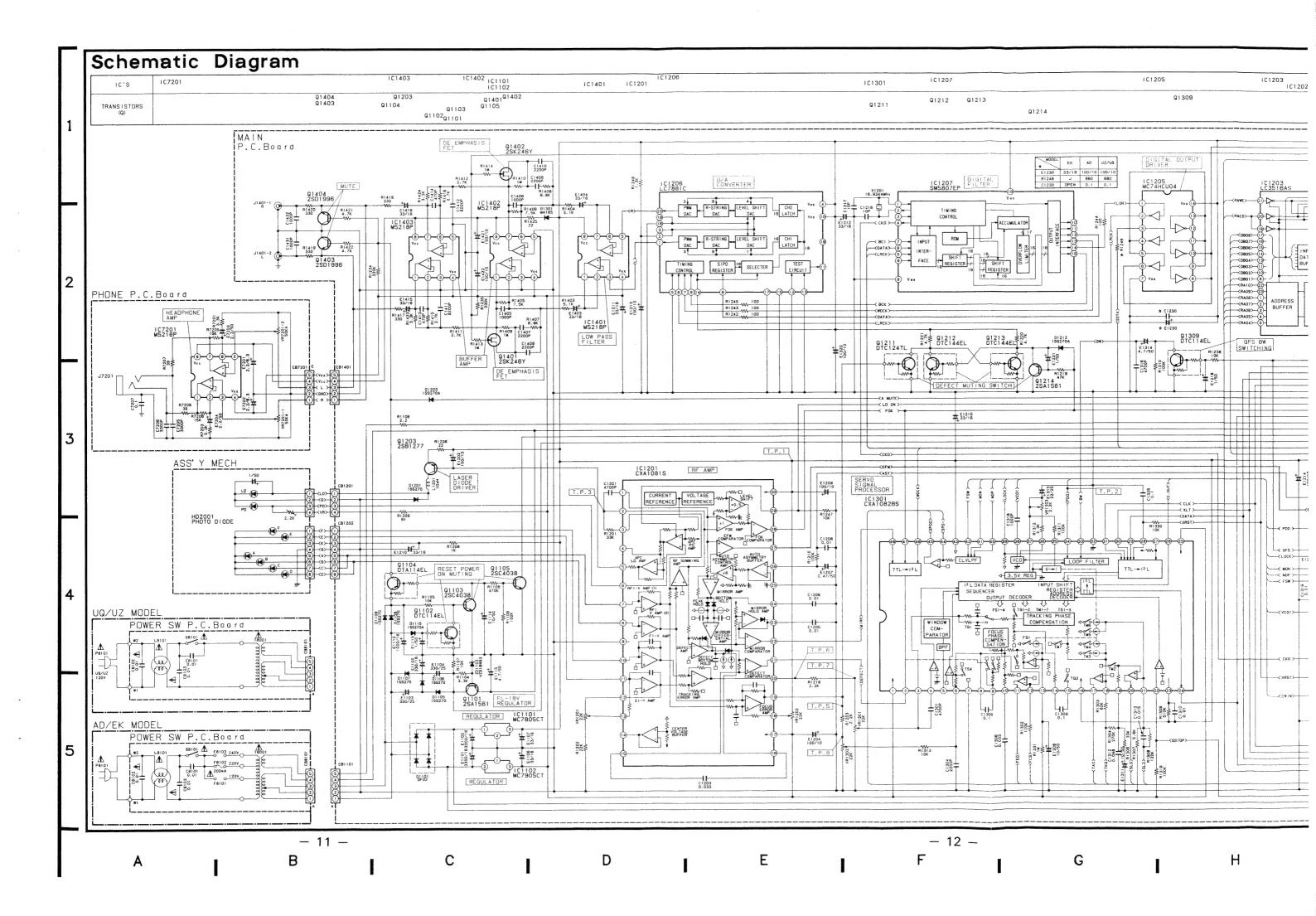
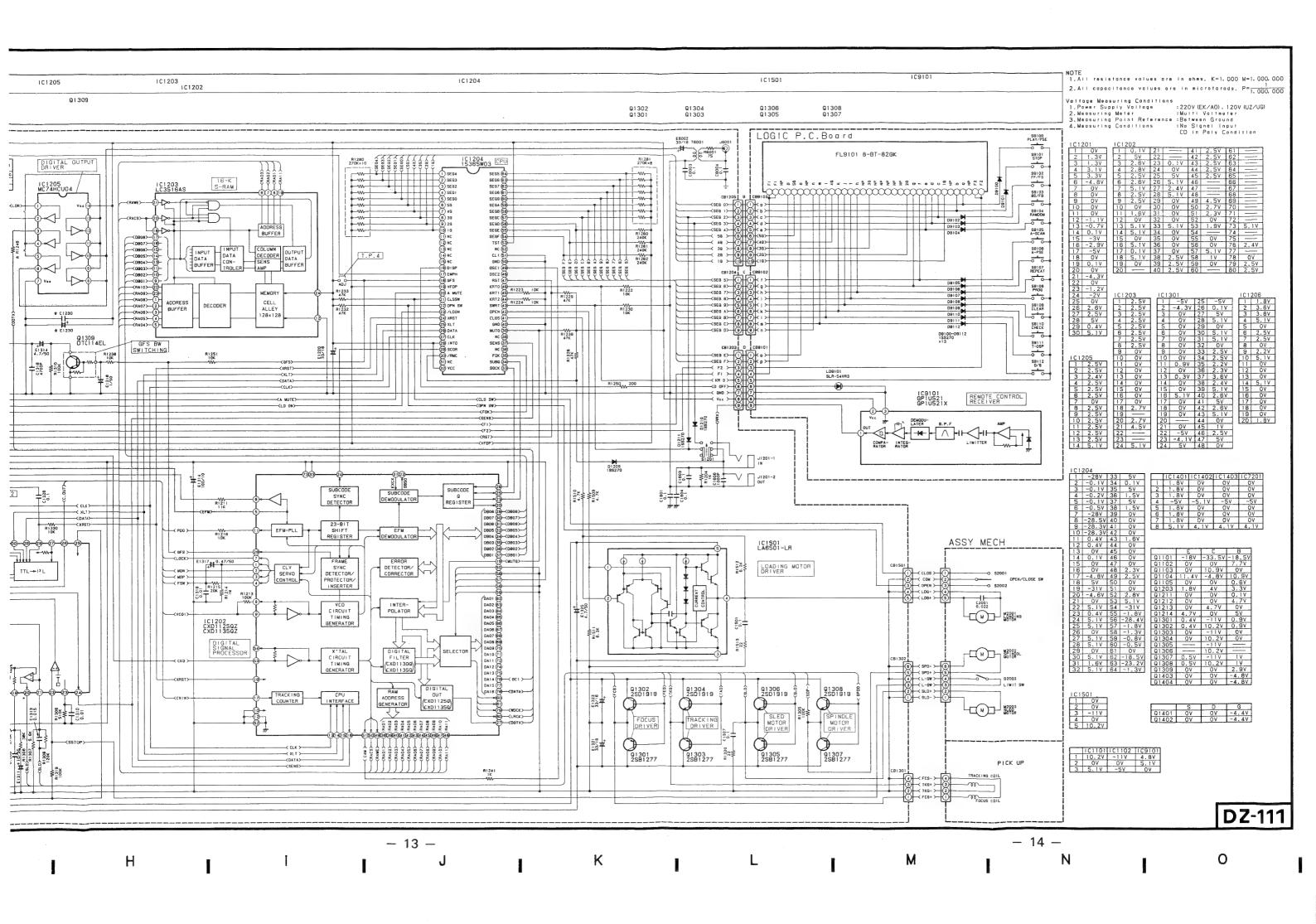


Figure 16 Main P.C. Board (Component Side)

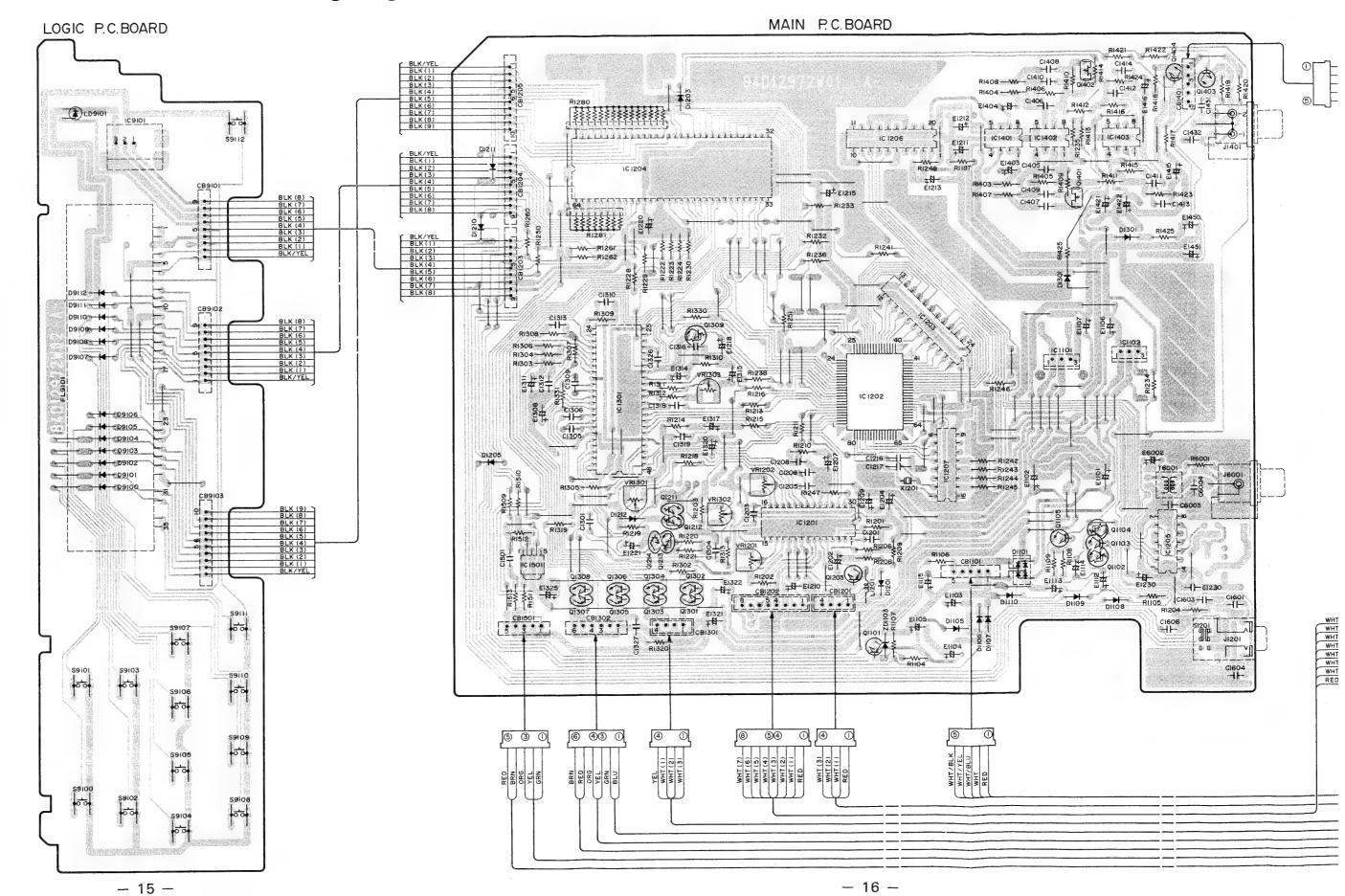
# **Block Diagram**





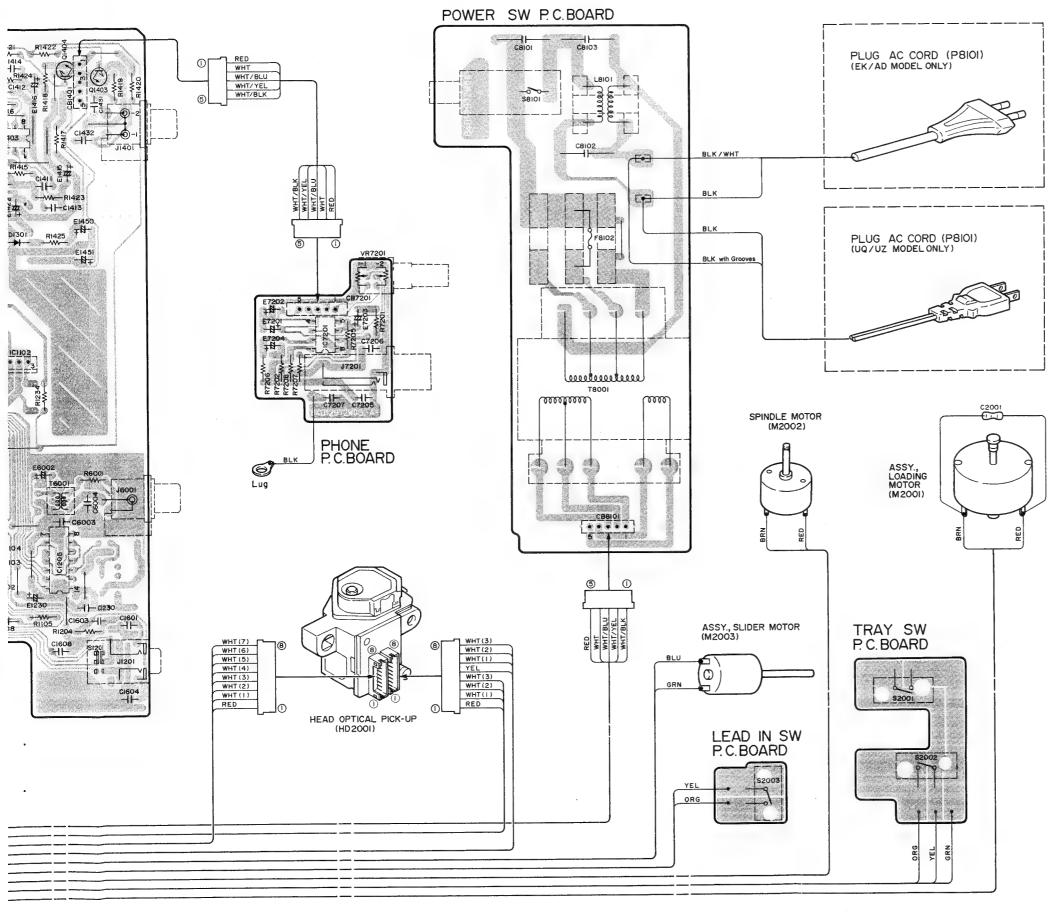


### Parts Layout on P. C. Boards and Wiring Diagram



DZ-111





GRN	Gree
BLK	
GRY	
WHT	Whit
RED	
BRN	Brow
ORG	
YEL	Yellov
VIO	Viole
PNK	Pin
GRN/WHT	Green/White
GRY/WHT	
GRY/YEL	
GRN/YEL	
SHLD	

Blue

BLU .....

### **Electrical Parts List**

Resistor:Carbon resistors under 1/8 watts are not mentioned in the parts list, please confirm them by schematic diagram.

Capacitor: µF-microfarads. pF-picofarads

							pr preoraraus	<del></del>
			Abbreviations		Symbol No.	Part No.	Description	
					Q1306	48T83275F01	2SD1919	
	CAP	Capacitor	CER.=Ceramic		Q1307	48T82759F01	2SB1277	
		Chip	ELY.=Electro	I	Q1308	48T83275F01	2SD1919	
		Light Emitti			Q1309	48T82763F02	DTC114EL	
		Metal Oxide			Q1401	48T66948F02	FET.2SK246	
		.=Polypropylem				10.000.00		
		Torypropyren	ZENZener		Q1402	48T66948F02	FET. 2SK246	
	Ini	I All Lai Cim	ZDN. ZONOI		Q1403	48T90183F01	2SD1996	
9	y∎bo1				Q1404	48T90183F01	2SD1996	
,	No.	Part No.	Description					
								1
			Main P.C. Board					
I	C's							
		51T94884F01	MC7805 CT		Diodes		1	
		51T94885F01	MC7905 CT		D1101	48T15662W01	DF02	
	1C1201	51T84721F01	CXA1081S		D1105	48T84758F01	1SS270	
	IC1202	51T84720F01	CXD1125QZ		or	48T58583F01	1SS176	
	or	51T84719F01	CXD1135QZ		D1106	48T84758F01	1SS270	
	1C1203	51T84723F01	LC3516AS		or	48T58583F01	1SS176	1
	or	51T80623F02	CXK5816SP		D1107	48T84758F01	1SS270	
					or	48T58583F01	1SS176	
1	IC1204	51T15365W03	15365W03		D1108	48T84758F01	1SS270	
	IC1205	51T94890F01	MC74HCU04		or	48T58583F01	1SS176	
	1C1206	51T95181F02	LC7881C					
	1C1207	51T15265W02	SM5807EP		D1109	48T84758F01	1SS270	
	1C1301	51T84722F02	CXA1082BS		or	48T58583F01	1SS176	
					D1110	48T84758F01	1SS270	
	IC1401	51T90149F01	M5218P		or	48T58583F01	1SS176	
	or	51T15329W01	BA15218		D1201	48T84758F01	1SS270	
	1C1402	51T90149F01	M5218P		or	48T58583F01	1SS176	
	or	51T15329W01	BA15218		D1203	48T84758F01	1SS270	
	IC1403	51T90149F01	M5218P		or	48T58583F01	1SS176	
	or	51T15329W01	BA15218		D1205	48T84758F01	1SS270	
	1C1501	51T90889F01	LA6501		or	48T58583F01	1SS176	
					D1210	48T84758F01	188270	
					or	48T58583F01	188176	
Ţ	ransisto	ors			D1211	48T84758F01	1SS270	
	Q1101	48T82757F01	2SA1561		or	48T58583F01	1SS176	
	Q1102	48T82763F02	DTC114EL		D1212	48T84758F01	1SS270	
	Q1103	48T82758F01	2SC4038		or	48T58583F01	1SS176	
	Q1104	48T82762F02	DTA114EL		D1301	48T44813F02	MA165	
	Q1105	48T82758F01	2SC4038		ZD1103	48T90517F64	ZEN.HZS 18NB3	
	01000	4000000000	00D1077					
	Q1203	48T82759F01	2SB1277					
	Q1211	48T82763F11	DTC124TL					
	Q1212	48T82763F04	DTC144EL			1		l
	Q1213	48T82763F04	DTC144EL		Capacito		THE CORP TO SECUL	
1	Q1214	48T82757F01	2SA1561		E1101	23T00181L23	ELY 3300 μ F/16V	
	0.00	1070077	0001000		E1102	23T00181L23	ELY 3300 μ F/16V	
	Q1301	48T82759F01	2SB1277		E1103	23S40657F65	ELY 330 μ F/25V	
	Q1302	48T83275F01	2SD1919		E1104	23S40657F65	ELY 330 \( \mu \) F/25V	
	Q1303	48T82759F01	2SB1277		E1105	23S40657F61	ELY 330 μ F/16V	
		1 40T0007EEA1	2SD1919	i [ ]		1		1
	Q1304 Q1305	48T83275F01 48T82759F01	2SB1277					1

Sy	mbo1	Part No.	Do	scription		Symbol	Part No.	Description	
	No.					No.			
	E1106	23T00180L08	ELY	33 μ F/16V		C1316	08T57705F63	MYL 4700pF	
	E1107	23T00180L08	ELY	33 μ F/16V		E1317	23T00180L20	ELY 0.47 μ F/50\	1 1
	E1112	23T81002F35	ELY	1000 μ F/16V		C1318	08T57705F55	MYL 1000pF	
	E1113	23T00180L21	ELY	1 μ F/50V		C1319	08T57705F67	MYL 0.01 μ F	1 1 1
	E1114	23T00180L25	ELY.,	10 μ F/50V		E1320	23T00136L16	ELY 100 μ F/10\	'
	D. 115	00700100104	DLV	4.7 μ F/50V		E1321	23T00180L08	ELY 33 μ F/16\	
1 1	E1115	23T00180L24	ELY			E1321 E1322	23T00180L08	ELY 33 μ F/16\	
	C1201	08T57705F63	MYL	4700pF 100 μ F/10V		E1322	23T00180L24	ELY., $4.7 \mu\text{F}/50\text{V}$	1 1
	E1202	23T00180L04	ELY	1		C1326	08T57298F01	CER. 0.1 $\mu$ F	1 1
	C1203	08T57705F73	MYL	0.033 μ F		C1326	08T57705F79	MYL. 0.1 μ Γ	1 1
	E1204	23T00149L13	ELY	100 μ F/10V		01321	00101100113	NIE. 7	
	C1205	08T57705F67	MYL.,	0.01 μ F		E1403	23T00180L08	ELY 33 µ F/16\	,
	C1206	08T57705F67	MYL	0.01 μ F		E1404	23T00180L08	ELY 33 μ F/16\	1
	E1207	23T00180L20	ELY.,	0.47 μF/50V		C1405	08T57705F55	MYL 1000pH	?
1 1	C1208	08T57705F67	MYL	0.01 µ F		C1406	08T57705F55	MYL 1000pl	,
	E1209	23T00149L13	ELY	100 µ F/10V		C1407	08T57705F59	MYL 2200pi	1 1
								-	
1 1	E1210	23T00180L08	ELY	33 μ F/16V		C1408	08T57705F59	MYL 2200pl	1 1
4	E1211	23T00180L08	ELY	33 μ F/16V		C1409	08T57705F59	MYL 2200pl	
	E1212	23T00180L08	ELY.,	33 μ F/16V		C1410	08T57705F59	MYL 2200pl	1 1
	E1213	23T00180L04	ELY	100 μ F/10V		C1411	08T57705F66	MYL., 8200pl	1 1
	E1214	23T00180L04	ELY	100 μ F/10V		C1412	08T57705F66	MYL. 8200pl	·
	E1215	23T00180L08	ELY	33 μ F/16V		C1413	08T57705F51	MYL 470pl	?
	C1216	08T55260F13	CER	10pF		C1414	08T57705F51	MYL 470pi	
1 1	C1217	08T55260F13	CER.	10pF		E1415	23T00180L08	ELY 33 µ F/16	
	E1218	23T00180L21	ELY	1 μ F/50V		E1416	23T00180L08	ELY 33 µ F/16	1 1
1	E1220	23T00180L08	ELY	33 μ F/16V		E1421	23T00149L13	ELY 100 \( \mu \) F/10	1 1
									_
	E1221	23T00180L21	ELY	1 μ F/50V		E1422	23T00149L13	ELY 100 μ F/10	/
▲	C1230	08T57298F01	CER	0.1μF		C1431	08T57705F55	MYL 1000pl	?
	C1230	08T57298F01	CER	0.1 μ F		C1432	08T57705F55	MYL 1000pl	3
•	C1230	08T57298F01	CER.,	0.1 µ F		C1501	08T57705F79	MYL $0.1\mu$	?
•	E1230	23T00180L08	ELY	33 μ F/16V		C1601	08T57298F01	CER $0.1\mu$	?
	E1000	00700140110	PLV	100 μ F/10V		C1603	08T57298F01	CER. 0.1 µ	,
1 1	E1230	23T00149L13	ELY			C1603	08T57298F01	CER 0.1 $\mu$	1 [
•	E1230	23T00149L13	ELY.,	100 μ F/10V		C1604	08T40794F50	CER., 1000p	1 1
▼	E1230	23T00149L13	ELY.,	100 μ F/10V		E6002	23T00180L08	ELY 33 μ F/16	1 1
	C1301	08T57705F63	MYL.,	4700pF		C6003	08T57298F01	CER. $33\mu$ F/16	1 1
	C1304	08T57705F59	MYL	2200pF		C0003	00101238FUI	υ.1 μ	
	C1305	08T57705F79	MYL	0.1µF		C6004	08T57298F01	CER 0.1 $\mu$	P
	C1306	08T57705F73	MYL.,	0.033 μ F		Coil	1		
	E1308	23T00180L25	ELY.	10 μ F/50V		L1201	24T50508F22	Inductor, 10 µH	
	C1309	08T57705F79	MYL	0.1 µ F					
	C1310	08T57705F67	MYL	0.01 μ F					
							<u> </u>		
	E1311	23T00180L25	ELY.	10 μ F/50V		Trans	05mc :	Trung (1.15)	
	C1312	08T57705F77	MYL.,	0.068 µ F		T6001	25T94882F01	PULS(1/10)	
	C1313	08T57705F69	MYL	0.015μF					
	E1314	23T00180L24	ELY	4.7 μ F/50V					
	E1315	23T00180L12	ELY	22 μ F/25V		Crystal			
						X1201	48T84727F02	16.9344MHz	
						AILUI	30103121102	IO. JUTTULE	
	0 .	L	.1	odel only (FK)			<del></del>		

Note: ●; For General Foreign model only (EK)

■ ; For North American model only (UZ)

▲ ; For West Germany model only (AD)

◆; For Canadian model only (UQ)

others ; Common

Symbol   Part No.   Description   No.   Part No.   Description   No.   Part No.					Cumb - 1	r	J	·	
Reference	Symbol No.	Part No.	Description		Symbol No.	Part No.	Description		
				<del> </del>			I		
Right   Septiment   Septimen		, .	Plack 970V ab- v10	<del></del>  }		AULBSSSVEIT	CM TACT CHHAD (DIV/DCD)		
VRIDUE   18T1.5358V15   Variable.000634C 22K cha   VRIDUE   18T1.5358V15   VRIDUE   18T1.5358V					1				
VRISOR   18T15358V15   Mariable - 2000842 C2K One   VRISOR   18T15358V15   Mariable - 2000842 C2K One   VRISOR   18T15358V15   Variable - 2000854C 22K One   VRISOR   18T15358V19   VRISOR   18T15358V19	1								
VRISOU   18T15356V15   Variable_R0054C 22K ohm   VRISOU   18T15356V15   Variable_R0054C 22K ohm   VRISOU   18T15356V15   Variable_R0054C 2.2K ohm   Variab	1								
VRI302   18T15356405   Variable.RB0834C 22K ohm   S3106   40T8324P06   SN.TACT SKRRAX (A-SCAN)   S3106   40T8324P06   SN.TACT SKRRAX (A-SCAN)   S3106   40T8324P16   SN.TACT SKRRAX (KFPCAT)   S3107   40T8324P16   SN.TACT SKRRAX (KFPCAT)   S3107   40T8324P16   SN.TACT SKRRAX (KFPCAT)   SN.TACT SKRRAX (K					1				
NRISON   N	AKI30I	18112326#12	Variable KHU634C 22K Onm		59104	40183324106	SWITAUL SKIHAN (KANDOM)		
NRISON   N	1170.000		V		00105	40700004800	OU THOT OVUDAN (4 ODAN)		
SSIDT					1				
Selection	VK1303	18112326#08	Variable, KHU634C 2.2K One						
Jacks									
Jacks									
					29109	40183324F11	SW. IACI SKHHAP (CLEAK)		
CS1201		00704104503	Hand Dhana Mint		20110	40702204511	OU TACT OVIBIAD (CUPOV)		
11401	1 1	09184124F01	Head-Phone Mini						
Logic   C   Board   LED	1	00715054100	T0000 P(1) 1			1	1		
Logic P.C. Board   LED	1 1		1		59112	40183324F11	SW. FACT SKHHAP (O/C)		
C   C   C   C   C   C   C   C   C   C	J6001	09115627W02	I D 314 UKG						
C   C   C   C   C   C   C   C   C   C									
C   C   C   C   C   C   C   C   C   C		L							
C's			Logic P.C. Board		1 50			L	
Diodes	101		,	<u> </u>		40700010500	OLD EAVIDO (DDD)		
Plodes		E171000 1101	CDATEGO		rpaint	48166616F02	PI'K-94AK2 (KED)		
Diodes									
Delodes	or	51T16094W02	GP1U521X						
Delodes				1 11					
Delodes						<u> </u>			
D9100	Nede						Phone P.C. Board		
or         48758583F01         ISS176         ISS176           D9101         48784758F01         ISS270         ISS176           Or         48758588F01         ISS176         ISS176           D9103         48784758F01         ISS270         Capacitors           Or         4875858F01         ISS270         E7201         23T16145V14         ELY.         22 μF /6.3V           Or         48758588F01         ISS270         E7202         23T16145V14         ELY.         22 μF /6.3V           Or         48758588F01         ISS270         E7203         23T16145V14         ELY.         22 μF /6.3V           Or         48758588F01         ISS270         E7203         23T16145V14         ELY.         2.2 μF/50V           E7204         23T18145V06         ELY.         2.2 μF/50V         E7204         23T18145V06         ELY.         2.2 μF/50V           E7204         23T18145V06         ELY.         2.2 μF/50V         E7204         23T18145V06         ELY.         2.2 μF/50V           E7201         48784758F01         ISS270         C7206         08757705F61         MYL.         3300pF           Or         48784758F01         ISS270         G8757298F01         CER.         0.1 μF<		40704750001	100970		IC				
D9101		ì	1		<del></del>	E1701000001	WEGGED	-	
or         48758583F01         ISS176           D9102         48784758F01         ISS270           or         48758583F01         ISS176           D9103         48784758F01         ISS270           or         48788758701         ISS270         E7201         23716145W14         ELY         22 μF /6.3V           D9104         48784758F01         ISS270         E7202         23716145W14         ELY         22 μF /6.3V           D9105         48784758F01         ISS270         E7203         23716145W06         ELY         2.2 μF/50V           D9106         48784758F01         ISS270         C7205         08757705F61         MYL         3300pF           Or         48758583F01         ISS176         C7206         08757705F61         MYL         3300pF           Or         48758583F01         ISS176         C7207         08757298F01         CER         0.1 μF           D9107         48784758F01         ISS270         Jack         J7201         09174077F02         Phones           D9110         48784758F01         ISS270         Jack           D9110         48784758F01         ISS270         Jack           J7201         09174077F02	1 1		1		107201	1010201011	M3210F		
D9102			1						
Or         48758583F01         ISS176           D9103         48784758F01         ISS270           Or         48758538F01         ISS176           D9104         48784758F01         ISS270           Or         48758583F01         ISS176           D9105         48784758F01         ISS270           Or         48758583F01         ISS176           D9106         48784758F01         ISS270           Or         48758583F01         ISS176           D9107         48784758F01         ISS270           Or         48758583F01         ISS176           D9107         48784758F01         ISS270           Or         48758583F01         ISS176           D9108         4874758F01         ISS270           Or         48758583F01         ISS176           D9109         4874758F01         ISS270           Or         48758583F01         ISS176           D9110         48784758F01         ISS270           Or         48758583F01         ISS176           D9111         48784758F01         ISS270           Or         48758583F01         ISS176           D9112         48784758F01         ISS270 <td>1 }</td> <td>i</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 }	i							
D9103	1	l.	!						
or         48758583F01         ISS176         E7201         23716145W14         ELY         22 μ F /6.3V           or         48758583F01         ISS270         E7202         23716145W14         ELY         22 μ F /6.3V           or         48758583F01         ISS176         E7203         23716145W06         ELY         2.2 μ F/50V           D9105         48784758F01         ISS270         C7205         08757705F61         MYL         3300pF           or         48758583F01         ISS176         C7206         08757705F61         MYL         3300pF           or         48758583F01         ISS176         C7207         08757298F01         CER         0.1 μ F           D9107         48784758F01         ISS270         OR 48758583F01         ISS176         OR 48758583F01         ISS176           D9108         48784758F01         ISS270         Jack         J7201         D9774077F02         Phones           D9110         48784758F01         ISS270         J8720			1	-	Corpositor			L	
D9104	1 1	1	1 1	-			ELV 00E /0.011	, , , , , , , , , , , , , , , , , , ,	
or       48758583F01       1SS176       E7208       23T16145W06       ELY       2.2 μ F/50V         D9105       48784758F01       1SS270       C7205       08757705F61       MYL       3300pF         or       48758583F01       1SS176       C7206       08757705F61       MYL       3300pF         or       48758583F01       ISS176       C7207       08757298F01       CER       0.1 μ F         D9107       48758583F01       ISS176       C7207       08757298F01       CER       0.1 μ F         D9108       48784758F01       ISS270       Or       48758583F01       ISS270       Jack         D9109       48784758F01       ISS270       Jack       J7201       09774077F02       Phones         D9110       48758583F01       ISS176       J7201       09774077F02       Phones         D9111       487587501       ISS270       Resistors         D9112       48758583F01       ISS176       VR7201       18784123F01       Variable RK9A00 50K ohmx2			1						
D9105	1		1						
D9105	or	48108083FU1	120110						
or         48758583F01         1SS176           D9106         48764758F01         1SS270           or         48758583F01         1SS176           D9107         48784758F01         1SS270           or         48758583F01         1SS176           D9108         48784758F01         1SS270           or         48758583F01         1SS270           or         48758763F01         1SS270           or         487587601         1SS270           or         487587601         1SS270    Resistors  VR7201 18784123F01 Variable RK9A00 50K ohmx2	DOLOE	4070475050	100070						
D9108		1			07205	19460116190	MIL. 3300PF		
or       48758583F01       1SS176       C7207       08757298F01       CER       0.1 μ F         D9107       48784758F01       1SS270       1SS176       1SS270		1			07000	0075770500	MVI 0000 T		
D9107		l .	1				-		
or         48T58583F01         ISS176           D9108         48T84758F01         ISS270           or         48T58583F01         ISS176           D9109         48T84758F01         ISS270           or         48T58583F01         ISS176           D9110         48T84758F01         ISS270           or         48T58583F01         ISS176           D9111         48T84758F01         ISS270           or         48T58583F01         ISS176           D9112         48T84758F01         ISS270           Resistors         VR7201         18T84123F01         Variable RK9A00 50K ohmx2	1		1		C/207	08157298F01	UEK 0.1 μ F		
D9108			1			1			
or         48T58583F01         ISS176           D9109         48T84758F01         ISS270           or         48T58583F01         ISS176           D9110         48T84758F01         ISS270           or         48T58583F01         ISS176           D9111         48T84758F01         ISS270           or         48T58583F01         ISS176           D9112         48T84758F01         ISS270           VR7201         18T84123F01         Variable RK9A00 50K ohmx2	1 1		}						
D9109		1	1						
or         48T58583F01         ISS176         J7201         09T74077F02         Phones           D9110         48T84758F01         ISS270         ISS176         ISS176         ISS270         ISS270         ISS270         ISS270         ISS270         Resistors         ISS270	1		1 1			<u> </u>			
D9110 48T84758F01 1SS270 or 48T58583F01 1SS176 D9111 48T84758F01 1SS270 or 48T58583F01 1SS176 D9112 48T84758F01 1SS270  Resistors  VR7201 18T84123F01 Variable RK9A00 50K ohmx2	1	P. Control of the con	1			I aamm .c====	I a.	,	
or         48T58583F01         ISS176           D9111         48T84758F01         ISS270           or         48T58583F01         ISS176           D9112         48T84758F01         ISS270           Resistors         VR7201         18T84123F01         Variable RK9A00 50K ohmx2	or	48T58583F01	1SS176		J7201	09174077F02	Phones		
or         48T58583F01         ISS176           D9111         48T84758F01         ISS270           or         48T58583F01         ISS176           D9112         48T84758F01         ISS270           Resistors         VR7201         18T84123F01         Variable RK9A00 50K ohmx2		1070 175000	100000						
D9111   48T84758F01   ISS270     Resistors     D9112   48T84758F01   ISS270     VR7201   18T84123F01   Variable RK9A00 50K ohmx2		1	1						
or         48T58583F01         ISS176         Resistors           D9112         48T84758F01         ISS270         VR7201         18T84123F01         Variable RK9A00 50K ohmx2	1 1		!						
D9112 48T84758F01 ISS270 VR7201 18T84123F01 Variable RK9A00 50K ohmx2			1			<u> </u>			
		1	1			T	·		
or   48T58583F01   ISS176	1		1 1		VR7201	18T84123F01	Variable RK9A00 50K ohmx2		
	or	48T58583F01	188176			l			

### **Cabinet Assembly Parts List**

Note: The parts without part numbers are not supplied.

S	y <b>m</b> bol	Part No.	Description		Sy	øbol	IN-	Part No.	Description	
ļ	No.				-	No.	dex			<b>  </b>
		P	ower SW P.C. Board			1 2	5-C 2-D	01C12898W01 15C12903W01	Panel. Front Assy. Cover, Top	
_	apacitor					4	4-G	15C12903W01	Cover, Rear	
	C8101	08T00196L01	MF. 0.01 μ F		<b>A</b>	4	4-G	15C12902W04	Cover. Rear	
	C8102	08T00196L01	MF 0.01 μF			4	4-G	15C12902W06	Cover, Rear	
	C8103	08T00196L01	MF 0.01 μF							
					•	4	4-G	15C12902W06	Cover. Rear	
						5	3-F	43T16093W01	Support, Cord	
						6	5-E	75A52969F01	Pad., Trann-Leg	
						7	4-E	07A91046F01	Support, PCB	
С	oils		T			8	1-C	03S44205G49	Screw. Bind (M4x8)	
•	L8101	24T15610W01	FLT., PLA6003R3A					20071201801	2 24 (40 2)	
	L8101	24T16397W01	FLT. Line SU10V-20006			9	f D	03S71031F04	Screw, Bind (M3x8)	
	L8101	24T16397W01	FLT., Line SU10V-20006 FLT., Line SU10V-20006			10	5-E	03S71677F25	Screw. Bind (M4x12)	
•	L8101	24T16397W01	PLI., Line Suluy-20000			11	2-B	47A12896W02	Shaft, Power Spacer, Rubber	
						12 14	2-C 2-C	43A83885F01 03A83946F01	Screw. Special	
						1.4	12-0	vonoo340rUl	(M4x35)	
s	witch	····	1							
	S8101	40T84122F01	Power Sddle			15	2-C	04S40071G14	Washer, Spring (M3)	
						16	2-C	04S40070G59	Washer, Flat (M4)	
						17		03S71031F02	Screw. Bind (M2.6x8)	
						18	1-B	03C42723U01	Screw. Cup (M3x6)	
					1	21	3-E	03C40121T05	Screw. W/Double	
			Miscellaneous						Washer (M3x8)	
•	F8102	65T42077U09	Fuse, Semko 200mA		•	24	1-B	09T51410F01	Holder, Fuse	
lack	F8102	65T42077U09	Fuse, Semko 200mA			24	1-B	09T51410F01	Holder, Fuse	1
	FL9101	65T15806W01	Display. FL 8-BT-82GK			27	4-B	01T15318W01	Assy Lug Wire 1P	
•	P8101	28T43812P04	Plug, Cord (AC)		1	30	4-C	07A83876F01	Support FL	1
	P8101	28T43812P04	Plug, Cord (AC)			31	4-C	43A61758F01	Spacer. Lamp	
	P8101	28T55335F02	Plug. Cord (AC)			32		03S40036U01	Screw. W/Washer(M4x8)	
•	P8101	28T55335F02	Plug. Cord (AC)			33	2-B	64B10696W01	Panel, Tray	
•	T8001	25T16090W01	Trans. Power			34	5-B	36A55234F04	Knob. Control	
$\blacktriangle$	T8001	25T16090W01	Trans. Power			35	4-G	16T82537F01	Cap. Pin Jack	
	T8001	25T16092W01	Trans. Power			36	4-B	01T92483F01	Assy., Lug Wire 1P	
	<b>T</b> 0004	05774 000 00104								
•	T8001	25T16092W01	Trans, Power			37	5-C	75S12196W21	Cushion. Rubber	
				.	1					
		·	•						<u> </u>	

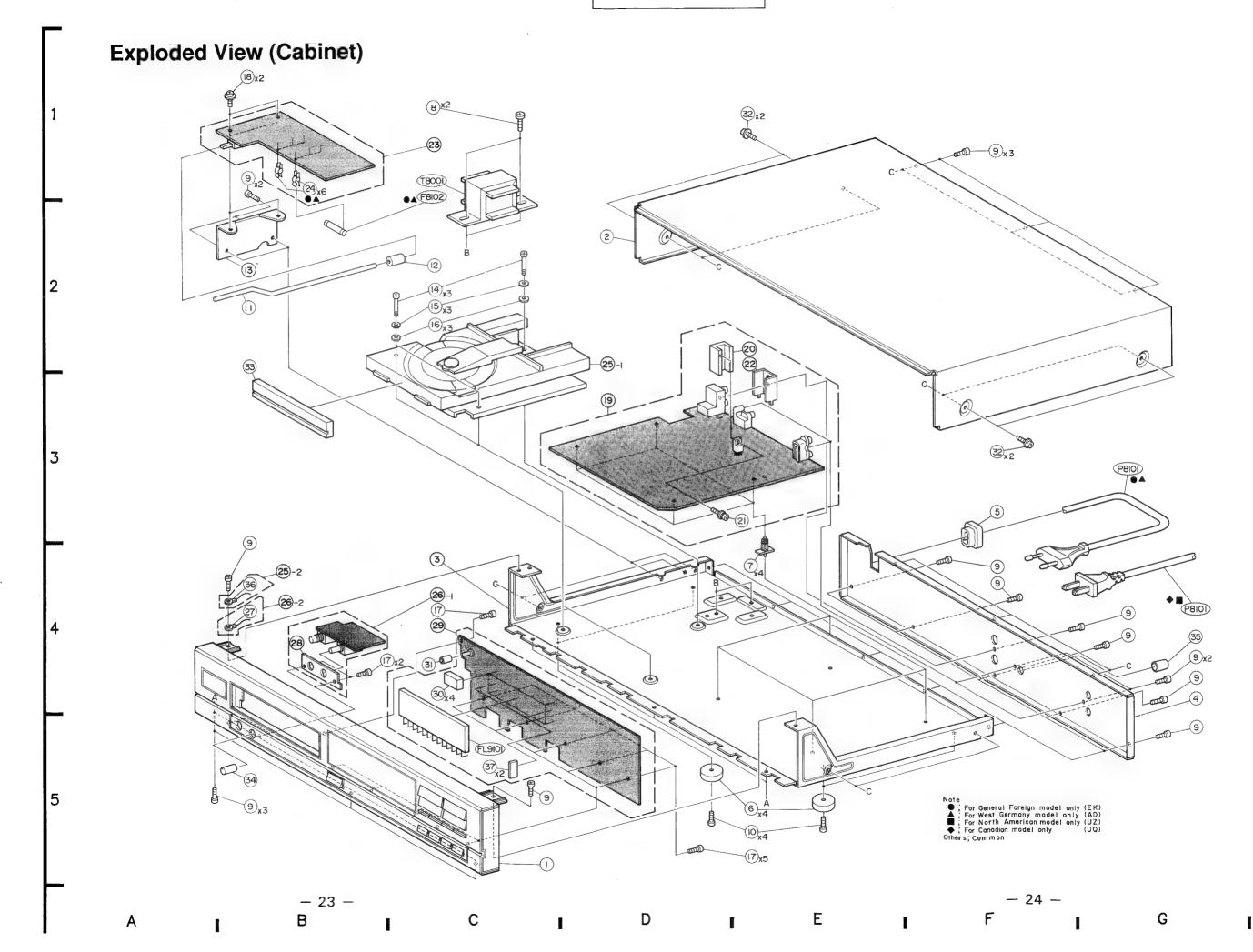
Note: ●; For General Foreign model only (EK)

■ ; For North American model only (UZ)

▲ ; For West Germany model only (AD)

◆ ; For Canadian model only (UQ)

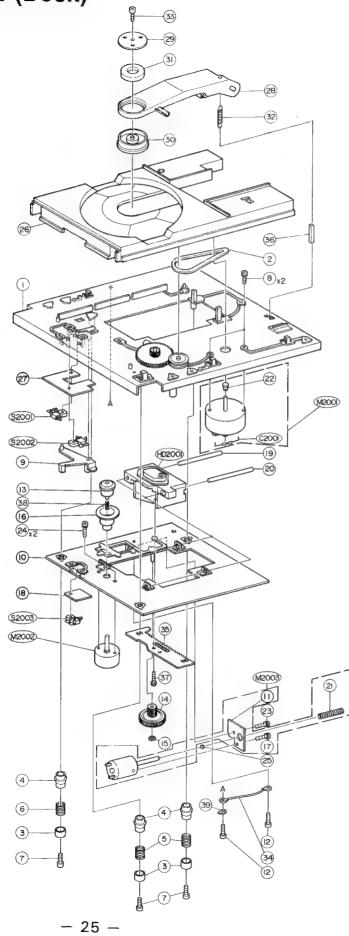
others; Common



D

# **Exploded View (Deck)**

3



В

# Mechanism Assembly Parts List Note: The parts vithout part numbers are not supplied.

_	Note: The parts without part numbers are not supplied.						
	Symbol No.	IN- dex	Part No.	Description			
r	1	2-B	01C82391F02	Assy. Chassis Main			
	2	2-C	42A81427F02	Belt. Drive			
	3		43A81407F01	Bush, Damper			
	4		75A81411F01	Rubber, Damper			
-	5	5-C	41A81428F03	Spring. Compression			
	•			Spring. Coapicolon			
1	6	5-B	41A81428F05	Spring, Compresion			
1	7		03S40012G18	Screw, Tapping (M2.6x6)			
1	8	2-C	03D40014G19	Screw, W/Washer			
ı	· ·		00040014013	(M2.6x5)			
ı	9	3-B	45A81434F01	Arm. Switch			
	12	5-C					
	12	10-0	03S44205G30	Screw, Pan (M2.6x4)			
ı	1.0	2.0	40D01417D01	Dian City			
İ	13	3-B	49B81417F01	Disc. Guide			
1	14	4-C	44A81401F01	Gear. Worm Wheel			
	15	5-C	04A41345P02	Washer, Lock (M1.7)			
	16	3-B	49B81414F01	Disc. Table			
	17	5-C	03D40014G62	Screw. W/Washer(M2x3)			
	19	3-C	47A81426F01	Shaft, Head			
ı	20	3-C	47A81426F02	Shaft. Head			
	21	4-D	44A96257F01	Worm. Drive			
1	22	3-C	49A81397F01	Pulley, Loading Motor			
١	23	4-C	03C40121T31	Screw. W/Double			
1				Washer (M2x6)			
	24	3-B	03D40014G07	Screw. W/Washer(M2x4)			
ı	25	5-C	43A41182P02	Ball Steel			
١	26	2-B	01C10716W01	Assy., Tray Disc			
	28	1-C	45C81418F04	Arm. Clamp			
	29	1-C	07A81413F02	Bracket, Magnet			
1							
ı	30	1-C	49A81403F01	Wheel, Clamp			
	31	1 <b>-</b> C	59T81430F01	Magnet			
	32	1-C	41B81429F02	Spring. Extension			
	33	1 <b>-</b> C	03S70494F08	Screw. Bind (M2x5)			
	34	5-C	01T92483F01	Assy, Lug Wire 1P			
	35	4-C	01A82323F01	Assy. Rack			
	36	2-C	75S12196W06	Cushion, Rubber			
	37	4-C	03S70494F01	Screw. Bind (M2x5)			
	38	3-B	41A81428F01	Spring, Compression			
	39	5-C	01T84733F11	Assy. Lug Wire			
			W: ~	cellaneous			
			m18	CEL 14HEOUS			
Γ	C2001	3-C	08S40154T63	Capacitor.			
				CER. 0.022 μ F			
	HD2001	3-C	88T81528F01	Head. Optical Pick Up			
	M2001	3-C	01V11200W42	Assy, Motor, Loading			
	M2002			Motor. Spindle			
	M2003	4-C	01V94700F74	Assy, Slider Motor			
	S2001	3-B	40T71025F01	SW Detector (IN)			
	S2002	3-B	40T71025F01	SW., Detector (OUT)			
	- 1	1		SW., Detector (Unit)			

			]	CER. 0.022 μ F
	HD2001	3-C	88T81528F01	Head, Optical Pick Up
	M2001	3-C	01V11200W42	Assy. Motor, Loading
	M2002	4-B	59T81431F01	Motor. Spindle
i	M2003	4-C	01V94700F74	Assy, Slider Motor
	S2001	3-B	40T71025F01	SW Detector (IN)
	S2002	3-B	40T71025F01	SW Detector (OUT)
i	S2003	4-B	40T71025F01	SW., Detector (Limit)

Note: ●; For General Foreign model only (EK)

: For North American model only (UZ)

▲ ; For West Germany model only (AD)

◆ ; For Canadian model only (UQ)

others ; Common

# **Packing Assembly Parts List**

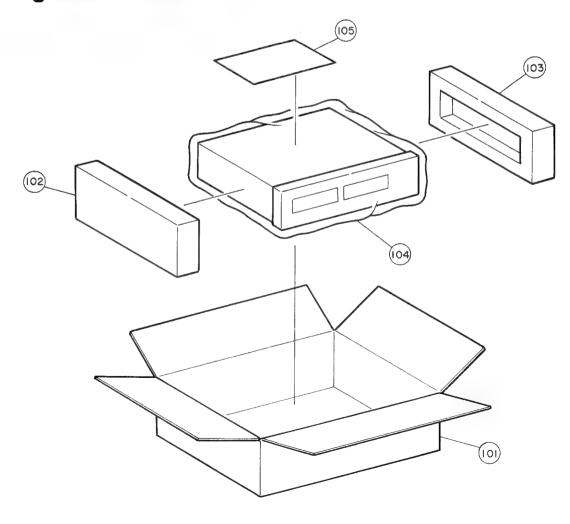
S	ymbol	Part No.	Description	
No.				
	101	56S10005W37	Carton, Packing DZ111	
	102	56D13765W01	Tray, Packing DZ L	
	103	56D13765W02	Tray, Packing DZ R	
	104	56B40230G23	Sack, Polythylene	
•	105-1	68P96552F32	Owners, Manual	
<b>A</b>	105-1	68P96552F32	Owners, Manual	
	105-1	68P96552F31	Owners, Manual	
<b>*</b>	105-1	68P96552F31	Owners, Manual	
	105-2	28T70621F03	Plug. Output	
	105-3	01T82091F01	Assy, Mini Plug Cord	
	105-4	01T90545F01	Unit, Remocon RD113	
	105-5	60T81756F01	Battery, UM-4UC(2S)FJ	
	1			1

Voto :

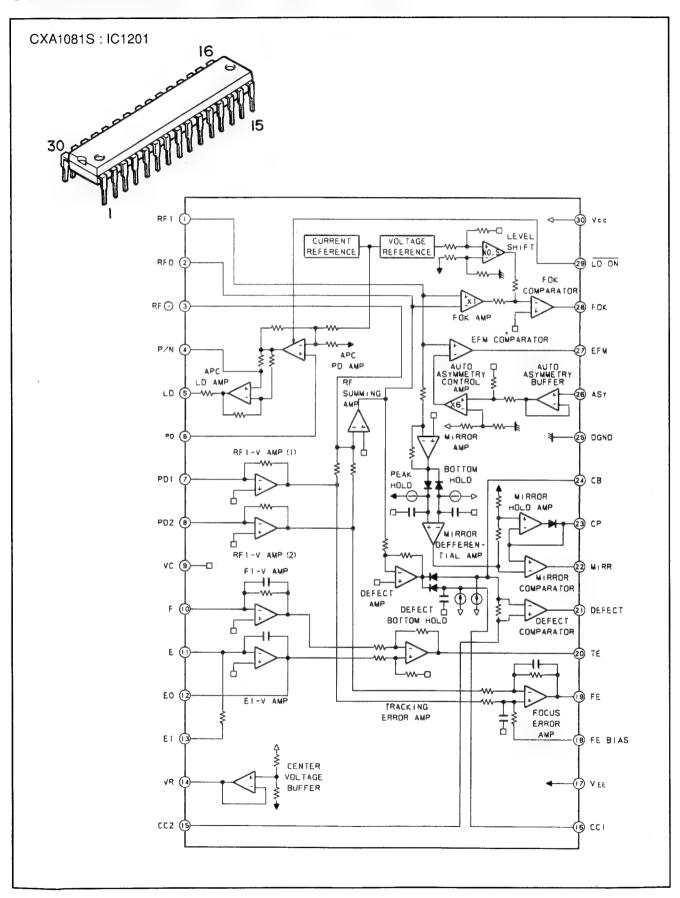
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- ; For North American model only (UZ)
- ▲ : For West Germany model only (AD)
- → ; For Canadian model only (UQ)

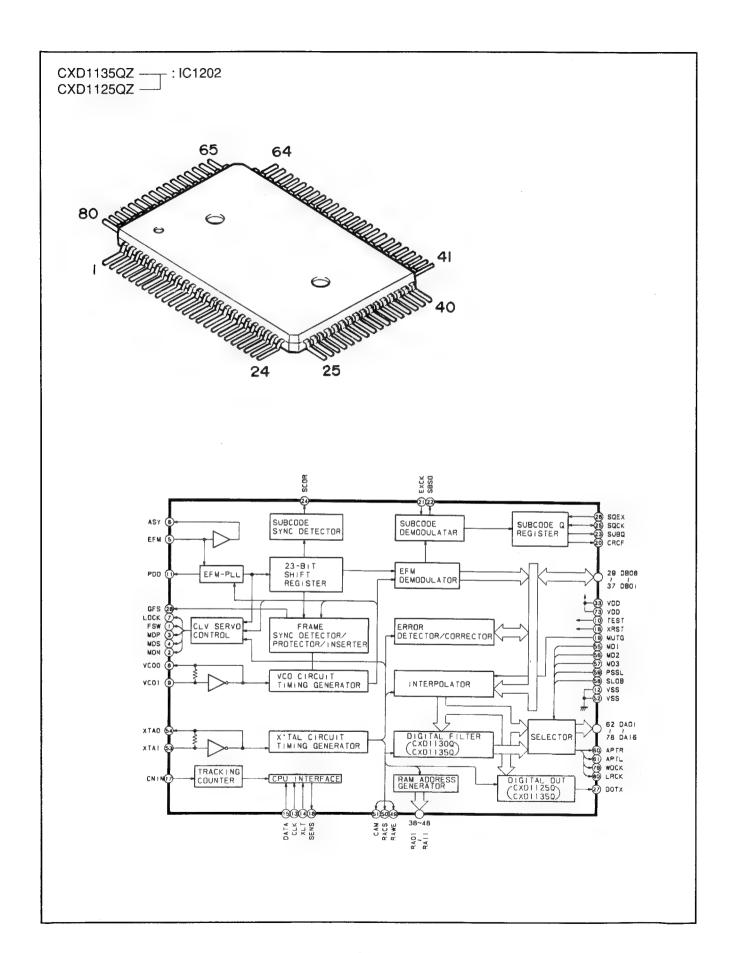
others : Common

# **Packing Method View**

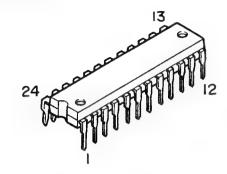


### **Semi-Conductor Lead Identifications**

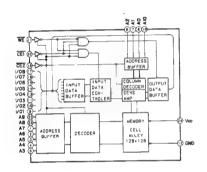




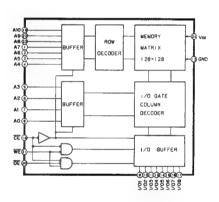




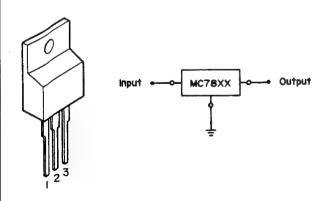
(LC3516AS)



#### (CXK5816SP)

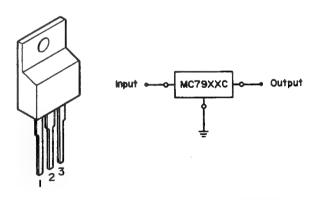


#### MC7805: IC1101

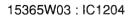


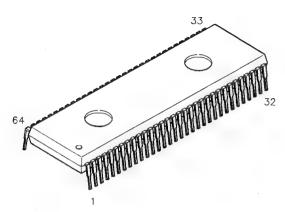
- 1. Input 2. GND
- 3. Output

#### MC7905: IC1102



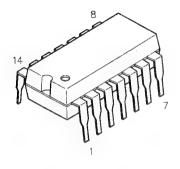
- 1. GND
- 2. Input
- 3. Output

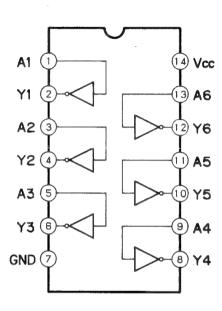




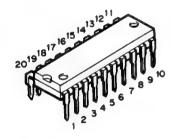
			Signal		Τ			Signal	
PIN NO.	Descrip- tion	Clock Power Source	In put	Out put	PIN NO.	Descrip- tion	Clock Power Source	In put	Out put
1	SEG4		D11	D11/FS4	33	SQCK		R40/SCK	R40/SCK
2	SEG3		D12	D12/FS3	34	SUBQ		R41/SI	R41
3	SEG2		D13	D13/FS2	35	FOK		R42	R42/SO
4	SEG1		D14	D14/FS1	36	NC		R43	R43/PWM
5	SEG0		D15	D15/FS0	37	SENS		R70	R70/BUZZ
6	5G		R00	R00/FD0	38	NC		R71	R71
7	4G		R01	R01/FD1	39	MUTG		R72	R72
8	3G		R02	R02/FD2	40	GND		R73	R73
9	2G		R03	R03/FD3	41	CLOS		R80	R80
10	1G		R10	R10/FD4	42	OPEN		R81	R81
11	NC		R11	R11/FD5	43	SWRT		R90	
12	NC		R12	R12/FD6	44	KRT2		R91	
13	NC		R13	R13/FD7	45	KRT1		R92	
14	NC		R20	R20/FD8	46	KRT0		R93	
15	NC		R21	R21/FD9	47	RST		RESET	
16	DISP		R22	R22/FD10	48	OSC2	OSC2		
17	EMPH		R23	R23/FD11	49	OSC1	OSC1		
18	GFS		RA0		50	GND	GND		
19	VFDP	Vdisp	RA1		51	CL1	CL1	·	
20	A MUTE		R30	R30/FD12	52	NC	CL2		
21	CLSSW		R31	R31/FD13	53	TST		TEST	
22	OPN SW		R32	R32/FD14	54	SEGF		D0	D0/FS15
23	/LDON		R33	R33/FD15	55	SEGE		D1	D1/FS14
24	XRST		R50	R50	56	SEGD		D2	D2/FS13
25	XLT		R51	R51	57	SEGC		D3	D3/FS12
26	DATA		R52	R52	58	SEGB		D4	D4/FS11
27	CLK		R53	R53	59	SEGA		D5	D5/FS10
28	INTO		R60/INT0	R60	60	SEG9		D6	D6/FS9
29	SCOR		R61/INT1	R61	61	SEG8		D7	D7/FS8
30	/RMC		R62/INT2	R62	62	SEG7		D8	D8/FS7
31	NC		R63/INT3	R63	63	SEG6		D9	D9/FS6
32	Vcc	Vcc			64	SEG5		D10	D10/FS5

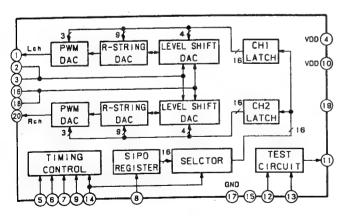
#### MC74HCU04: IC1205



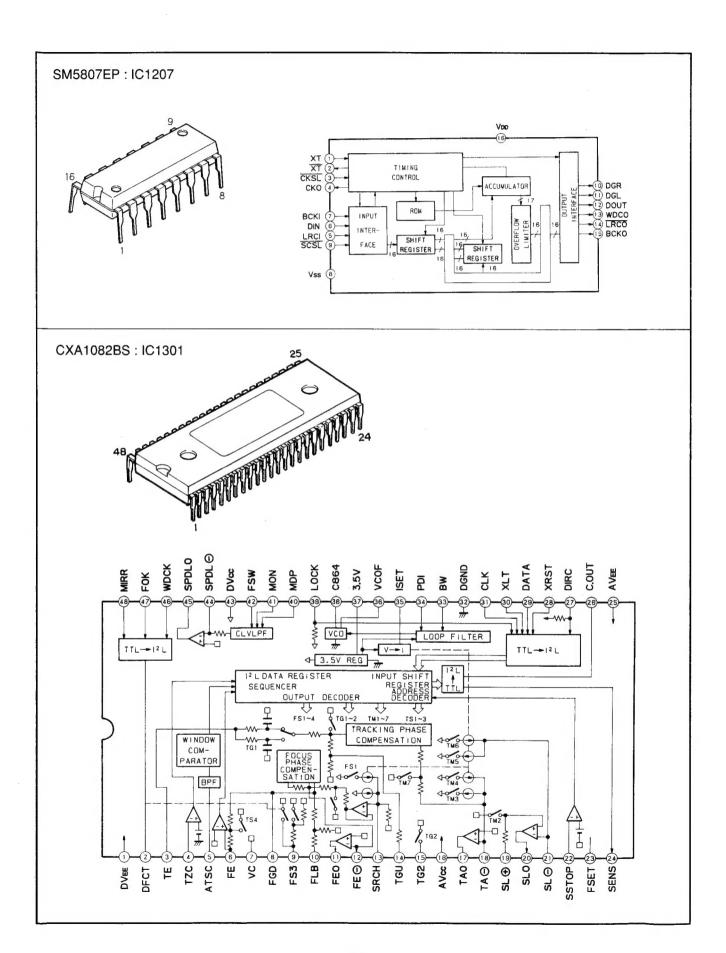


LC7881C: IC1206

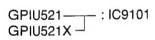


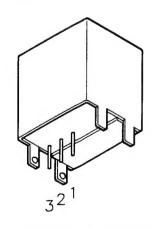


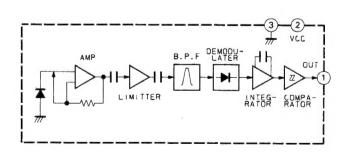
1	CH1 OUT	11	TST OUT
2	Vref H1	12	TST1
3	Vref H2	13	TST2
4	VDD	14	IF
5	WCLK2	15	GXD
6	LRCK	16	Vref L1
7	WCLK1	17	GND
8	DATA	18	Vref L2
9	BCLK	19	NC
10	V <sub>DD</sub>	20	CH2 OUT



M5218P----: IC1401, 1402, 1403 BA15218---M5216P: IC7201 ו דעם (וֹ 8 Vcc (BA15218) (M5218P, M5216P) 7) OUT2 111 (2 JH1 (3 6) IL2 1H2 V EE (4 LA6501: IC1501 vcc ① IN(+) OUT ( 2 IN(-)







VEE

2SA1561: Q1101, 1214

2SB1277 : Q1203, 1301, 1303, 1305, 1307

2SC4038: Q1103, 1105

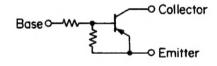
2SD1919: Q1302, 1304, 1306, 1308



- 1. Emitter
- 2. Collector
- 3. Base

DTA114EL: Q1104

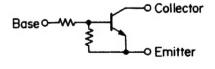




- 1. Emitter
- 2. Collector
- 3. Base

DTC114EL: Q1102, 1309 DTC144EL: Q1212, 1213





- 1. Emitter
- 2. Collector
- 3. Base

DTC124TL: Q1211

Base O-W-O Collector
O Emitter

1. Emitter
2. Collector
3. Base

2SD1996: Q1403, 1404

1. Emitter
2. Collector
3. Base